

Global Gadgets

DEFENDER WIRELESS GSM BURGLAR ALARM USER MANUAL

This burglar alarm system works with a mobile phone pay as you go SIM card. You can use any provider apart from 3Network. However we have found that the best SIM to use is a Virgin SIM. Virgin is one of the only providers to keep the SIM active even if not used; they also do not have SIM security setting turned on by default. If you use another providers SIM you may need to put the SIM into a mobile phone and turn off all SIM security options

The alarm will call up to 6 phone numbers to inform the person at the other end of the phone that your alarm has been triggered. Additionally it has the option to send a text message as well. (If you find the GSM won't call you as expected, please make sure that all SIM security settings are set to either OFF, NO or NONE, as all SIM security options must be turned off. If you can call the alarm or text the alarm OK then SIM security options ARE still active.

INSTALLTION INSTRUCTIONS

First please purchase from your local shops either a pay as you go SIM card. It cannot be a contract SIM only a pay as you go SIM will work. Please make sure that the SIM is active and has credit on it. Most SIM cards need to be placed in a mobile phone first to then be enabled. **Also please make sure you turn off any PIN request and security codes as this will stop the alarm auto dialling.**

- 1) Place the SIM card in the slot on the top side of the GSM alarm system, by pressing the small eject button inwards. It will only fit in one way so please do not force the card in. The copper sides of the SIM should point downwards.
- 2) Install your alarms sensors in the required positions that best protect your property. **Extra sensors are available and can be added at any time, please contact us at sales@global-gadgets.com or visit us at www.global-gadgets.com to view the extras that are available.** You can fit a door contact sensor or magnet on either the fixed part of the frame or the moving part; it does not effect the sensors operation. PIR are best located in corners of rooms to give best protection, but this is down to you to decide what is best.
- 3) Next on the top edge of the alarm system you will find a small switch, this is the backup battery switch. Please be sure to switch this on. This will then give you backup power should the properties power fail. The alarm is fitted with a lithium battery so you should get around 72 hours of battery life.
- 4) Lastly please connect the alarm power adaptor to a 13amp socket. The green power light will come on and the system will enter into self test mode. Once it has completed this the alarm will automatically arm itself,
- 5) The alarm will now initialise and you will here a "BEEP" sound. It will then auto search for a GSM signal from the SIM card. This will take around 1 minute to complete. Once completed, please disarm the system using the remote key fob, by pressing the open padlock button
- 6) If initialisation is successful the RED network LED will flash continually. If this does not flash please check the SIM is installed correctly and has credit on it.

ALARM SETUP

- 1) You have the option of setting up a 10 second pre-recorded message on this alarm so that it can play this back to the people it calls when activated. We suggest you say something like "Dave & Sue's alarm activated, the house, the street, the town, please help" As remember the alarm might not just be calling you, you may have set it up to call friends and family. To record your play back message please input the following commands on the white key pad supplied with the alarm system **# - 9 - * 80 - password - #** (The default password is 1234) Now facing the GSM alarm panel please speak towards it at a distance of around 12 inches, then when you have finished speaking please press the # button again to save. You will hear a short BEEP from the system to confirm this operation is complete.
- 2) You can setup 6 auto dial phone numbers for the alarm to call when activated. To program the first number in the sequence of numbers to call please do as follows on the white programming key pad (For example the number we will enter is 0123412345678) **# - 1 - * - 0123412345678 - #** The alarm will make a short BEEP to confirm the operation is successful. To enter the next number you want the alarm to call if the first one is not answered please replace the first number 1 with number 2 ie **# - 2 - * - 0123412345678 - #**. Please repeat this up to 6 times.
- 3) To delete an auto dial telephone number please enter the following on the white key pad **# - 1 - * - #**, to remove the second place number please do as follows pad **# - 2 - * - #** and so on.
- 4) All sensors and remote key fobs have been pre-linked for you by our staff unless otherwise requested. However should you wish to change this or link other devices in please complete the following on the white key pad. **# - 9 - * - 90password (then add zone number 01-16) - #** then activate the sensor one time (If a door contact place the magnet on the sensor and then move it away, if it is a sensor please wave your hand in front of the sensor, if a smoke detector please press the test button. You should hear a BEEP from the alarm system to confirm the link has been received, **lastly please press the # button again to save the settings.**
- 5) To cancel a key fob from the system (Be careful doing this) **# - 9 - * - 91password - #**
- 6) To cancel a detector from the system (Be careful doing this) **# - 9 - * - 92password- #**. This will delete all your sensors from the system so if you do this, all sensors will need to be inked in again.
- 7) To set the sirens run time (Default run time is 1 minute) please enter the following commands on the white key pad **# - 9 - * - 4? - #**(The ? indicates how many minutes you want the alarm to sound for) for instance if you want it to sound for 3 minutes please do as follows **# - 9 - * - 43 - #**. If you want the siren to sound continually when activated, until the alarm is disarmed by the key fob or by you disarming it from your phone please enter the following **# - 9 - * - 4* - #**. (Be careful doing this as you could upset neighbours very quickly if left sounding for a long time.
- 8) To change the default password from 1234 to your own number please complete the following on the white key pad (let's say the number you want it to be is 6666) **# - 7 - * - 66666666 - #**.
- 9) If you want to set your alarm system up so that it sends a text message please complete the following on the white key pad **# - 0 - * - phone number -**

#. If the system is then activated the alarm will send out a short text message to inform you that either a sensor has been triggered or the power has been lost. To turn this feature off please enter the following **# - 0 - * - #**

- 10) To set up a exit delay so that you can arm the system and then have time to exit the property please do as follows **#9*50??##** (?? = the delay time in seconds 10-99)
- 11) To set up a entry delay so that you can open the door and then have time to enter the property to then disarm the system please do as follows **#9*51??##** (?? = the delay time in seconds 10-99)

ARMING YOUR ALARM (and the key fobs)

- 1) To arm your alarm system using the key fobs please press the closed padlock button. This will put the alarm system in armed mode. From here if any sensor is activated the siren will sound and the alarm system will start the auto dial process.
- 2) To disarm your alarm system, please press the open padlock button. Once pressed the system will disarm and you will be able to move around freely inside the property without triggering the alarm system. Please note that if you have one of our smoke detectors even in disarm mode they will activate the alarm system and sound the siren and auto dial the phone numbers.
- 3) Should you wish to activate the panic feature of the alarm please press the bell button and hold it in, the alarm will now sound and also call and or text you.

WHEN THE ALARM IS ACTIVATED

- 1) When one of the sensors is activated the alarm panel LED in the lower right hand area (next to the words "Alarm") will light up, at this time the alarm will start to make its auto dial call to the first number you have entered into the system. It will then play back the message you recorded and at the same time, if you have set it up it will send the text message to the phone number of your choice.
- 2) If the first telephone number does not answer in 40 seconds, the alarm will try the second, third and so on until someone answers the call. Once the call is answered it will no longer try the numbers after it....
- 3) When the alarm connects the call to you, you **MUST** press the # button to acknowledge the call (this will terminate the call and stop the alarm system), otherwise it will try to call the other numbers in the sequence (This is in case the alarm calls a mobile or landline number and gets to an answer phone.) Thus if the call is connected to an answer phone and the # button is not pressed, it will move onto the next number and so on.
- 4) You can disarm the alarm system by pressing the number 5 on your phones key pad. Pressing the number 1 on your phone will then enable you to listen into the room and hear what is happening in the property. Press the number 2 to turn on the siren, and press the number 3 to turn off the siren, or press the number 4 to turn the alarm system back on again. You can also play back the

recorded message if you wish by pressing the * button on your phones key pad.

PHONING YOUR ALARM SYSTEM

- 1) The alarm system can be operated by remote control via text message or by pressing the buttons on your phones key pad.
- 2) To control your alarm by telephone key pad you must telephone the number of the SIM card inside the alarm system. After 3/4 rings the alarm will connect the call and make a BEEP sound. When you hear this BEEP please enter your 4 digit password, if this is entered correctly it will BEEP 2 times, if incorrect it will make a long BEEP sound. You have 3 attempts to enter the number after which it will disconnect the call. You can press the following buttons to control the alarm system from your telephone. "1" will enable you to listen in "2" will turn the siren on, "3" will turn the siren off, "4" will turn your alarm system on and lastly "5" will turn your alarm system off.

CONTROLLING THE ALARM BY TEXT MESSAGE

- 1) You can control your alarm system by text message if you wish. However to do this you must use the text code below and all text must be in capital letters (UPPER CASE). The message string must contain your current password as well as the required commands as below. (Default password is 1234, for this example we will use 1234)

1234ARM (This will arm the alarm system and the reply message will be "Host is activated")

1234DISARM (This will disarm the system and the reply message will be "Host is deactivated")

1234ONSIREN (This will turn the siren on and reply message will be "The siren is opened")

1234OFFSIREN (This will turn the siren off and the reply message will be "The siren is closed")

1234CHECK (This will either turn the alarm system on or it will turn the alarm system off, depending on its current state, the reply message will be either "Host is activated" or "Host is deactivated")

A/C POWER SUPPLY & BACKUP BATTERY

- 1) The alarm system is supplied with a lithium backup battery which will provide your alarm with around 72 hours of power should the properties power be cut or removed. If this does happen the alarm will send a text message to the designated mobile phone with the message "AC POWER SHUT OFF", once the power is reconnected the alarm will automatically send the message "AC POWER RECOVERED". You must have text alert setup for this to work.

Wireless Strobe Siren Setup

If you have purchased the Defender bundle or have added an external strobe siren to your alarm system, you will need to do the following to set the wireless strobe siren. Please note that the siren has been tested and linked to the wireless sender device already for you.

- 1) First remove the sirens front cover and connect the backup battery. You will see the batteries in a green cover and there will be a black and red wire with a white connection block, plug this into the socket on the circuit board in the bottom left hand corner. (You will also find a wire that is not connected at one end, do not worry this is the aerial)
If you have upgraded to the LX siren, you will need to remove the screw cover from the front of the siren. This can be located at the centre of the siren where the blue plastic joins to the white cover. Use a small flat head screwdriver to prise the flap open and remove the screw to gain access.
- 2) Along with the siren is a small white "sender" device, this sends the wireless signal to the strobe siren and must be plugged into the socket on the alarm panel marked "Siren". If you wish to use both the wireless strobe siren and the supplied wired siren you will need to purchase an audio splitter that will convert the single siren socket into two sockets. (We do not sell these but they can be bought for around £1.50)
- 3) Attach the siren to its required location and make sure that the tamper switch on the back of the siren is pressed in and secure (If this is not pressed in the siren will not function and will sound)
- 4) Lastly, using the supplied power adaptor for the wireless strobe siren connect this and plug the transformer into your wall socket.

Quick Guide

Learn the remote control: #9*901234#

Delete the remote control: #9*911234#

Learn the door contact: #9*90123403#

Learn the PIR: #9*90123402#

Learn the smoke sensor: #9*90123404#

Learn the panic button: #9*90123401#

Delete accessory: #9*921234#

Mute alarm: #9*0#

Sound alarm: #9*1#

Arm notification sound off: #9*2#

Arm notification sound on: #9*3#

Time for siren's sounding: #9*4?# , ?=1-9

Exit delay: #9*50??# ??=00-99

Entry delay: #9*51??# ??=00-99

Code for wireless black siren and flashing siren: #9*93code#

Recording voice message: #9*801234#

SMS: #0*number#

Phone number: #1*number#

#2*number#

NOTICE

The use of an alarm system is subject to a wide variety of factors which can affect the utility and effectiveness of the alarm system. It is important that the user of the alarm system installs the alarm correctly and safely. Most importantly do not set the alarm system up directly next to another electrical device

SPECIFICATIONS

GSM control panel – 100-240AC/12DC

Stand by current - <90mA

Alarm current - <200mA

Power consumption 0.5Watts

Built in lithium battery 1800mA, 3.6Volts

ADD ON DEVICES

The Defender alarm system can have other devices linked to it, please find below details of the extras you can add to the system

(These cost extra, unless stated in your purchased kit)

Wireless arm/disarm keypad

1) How to use wireless doorway keypad?(Default password:1234)

FUN+password+ARM Arm the host

FUN+password+DIS Disarm the host

FUN+password+BYP Bypass the host

FUN+password+SOS Host emergency alarm

2) How to change wireless keypad's default password? (If you change the GSM panel's default password 1234 into 5678, you should then change the password of this keypad into 5678, (or it won't work with GSM panel.)

=>press FUN key, then all the LED light up→press "2" and "FUN" together→enter new password two times(56785678)→two BEEP sound indicates changing ok

3) How to link the key pad to your alarm Using your programming key pad please enter #9*901234# then quickly on the new arm and disarm key pad press FUN1234 SOS. The main alarm panel will beep at you now, back on the programming pad please press the # button.

4) Parameters:

Built-in battery: 3.7V 500mA lithium battery

Working current: 30Ma

Static current: 5 μ A

Standby: 1,000minutes

Recharge time: 12-24hrs

Power adapter: 6V 1A)